



100.0300

10/12/95

110-115-

#4 A/12

I hereby certify that this correspondence is being deposited in the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, on October 12, 1995.

By Gilbert S. Kovelman  
Gilbert S. Kovelman Reg. No. 19,552, October 12, 1995

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of )  
Kurt W. Getreuer )  
Serial No. 08/485,070 )  
Filed: June 7, 1995 )  
For: OPTICAL DISK SYSTEM )  
\_\_\_\_\_ )

ATTN: OFFICE OF ASSISTANT  
COMMISSIONER TO PATENTS

Docket No. DVA-37436

Los Angeles, California  
October 12, 1995

RESPONSE AND PETITION FOR ONE-MONTH EXTENSION  
UNDER 37 CFR 1.136(a)

The Commissioner  
United States Patent and Trademark Office  
Washington, D.C. 20231

Dear Sir:

In response to Notice of Informal Application (Application Processing Division), a copy of which is attached, Applicant respectfully requests a one-month extension for the above-identified application under 37 CFR 1.136(a).

The requisite petition extension fee of \$110.00 is enclosed herewith along with a new page 126 which contains the same material as the previously-submitted page 126 on deposit with the

320 MM 11/06/95 08485070  
1.115 110.00 ck

PATENT  
Serial No. 08/485,070  
Docket No. DVA-37436


PTO for the above-identified application and the parent application, Serial No. 08/420,899, filed 4/11/95, from which the subject application has been divided. Please charge any additional fee or credit any over-payment to our Deposit Account No. 06-2425. A duplicate copy of this paper is enclosed.

Respectfully submitted,

FULWIDER PATTON LEE & UTECHT

Dated: October 12, 1995

By:

  
Gilbert G. Kovealman

Registration No. 19,552

Enclosures

GGK:elm  
10877 Wilshire Boulevard, Tenth Floor  
Los Angeles, California 90024  
(310) 824-5555



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

08/485,070 06/07/95 SCHELL D 37436.D-1

APPLICATION NUMBER	FILING DATE	FIRST NAMED INVENTOR	ATTY. DOCKET NO.
08/485,070	06/07/95	SCHELL	D 37436.D-1

ROBERT T BRAUN  
SUITE 200  
2355 MAIN STREET  
IRVINE CA 92714

0232/0814

0000  
DATE MAILED:

NOTICE OF INFORMAL APPLICATION  
(Application Processing Division)

08/14/95

A filing date has been granted this application. However, the application is informal for the following reasons:

1. The post office address and the city and state or foreign country of applicant's residence appear to be missing. A new Oath or Declaration, in compliance with 37 CFR 1.63, including residence information, is required. The Oath of Declaration must identify the application number and filing date.
2. The drawings contained in the application do not comply with size requirements ("8 1/2 X 14" or 21.0 x 29.7 cm). All drawing sheets in an application must be the same size. Proper sized drawings are required.
3. ☒ Page(s) 126 are not clear enough to be microfilmed. New typewritten pages, together with a statement that the new pages contain the same material as those on deposit, are required. This statement must be verified if made by someone other than an attorney or agent registered before the PTO.

An Application Number and Filing Date have been assigned to the application. However, to avoid abandonment the informalities must be corrected within **ONE MONTH FROM THE DATE OF THIS LETTER**. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

Direct the response and any questions about this notice to, Attention:  
Application Processing Division, Special Processing and Correspondence Branch.

**A copy of this notice MUST be returned with the response.**

R. P. Austin  
Application Processing Division  
(703) 308-1202

detectors. Furthermore, by using an air space, a symmetrical correcting prism can be added to an existing anamorphic prism system. Finally, a unitary prism system with an air space would be advantageous in order to provide a stable, compact and easy to manufacture and install, prism assembly.

In order to more fully explain the design of an achromatic prism system with an air space between prisms, reference is made to Fig. 68, which depicts a two-element prism system 5-152 having a chromatic correcting prism 5-154 added to a simple anamorphic prism 5-156. The correcting prism 5-154 has an index of refraction of  $n_1$  and the simple anamorphic prism 5-156 has an index of refraction of  $n_2$ , at a selected wavelength. The angles in the system are represented as shown in Fig. 68 as  $\Phi$ ,  $a_1$ ,  $a_2$ ,  $a_3$ ,  $a_4$ ,  $a_5$ ,  $a_6$ ,  $a_7$ ,  $\beta_1$ ,  $\beta_2$ , and  $\beta_{air}$ . The deviation angle from the incident beam to the exit beam is referenced as  $\alpha$ , where

$$\alpha = \beta_1 + \beta_{air} - (a_7 + \Phi + \beta_2)$$

and  $a_7$  can be calculated through repeated applications of Snell's law and the geometry of triangles.

The design conditions are chosen to achieve a desired result (e.g., total deviation through the system). For instance, to design an achromatic system, the condition is that  $\alpha$  be constant over some range of wavelengths.

For a total desired deviation angle,  $\alpha = A$ , from the entrance beam to the exit beam, the condition is met as follows:

$$A = \beta_1 + \beta_{air} - (a_7 + \Phi + \beta_2)$$

Furthermore, the condition for making the correcting prism